

PATENT APPLICATION

Sheet 1 of 1



FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION NO.
10014433-1	09/990,819	
APPLICANT	Augustin et al.	
FILING DATE	11/16/01	GROUP 2841

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
HB	1A 4,164,003	8/7/1979	Cutchaw	
HB	1B 4,581,680	4/8/1986	Garner	
HB	1C 4,886,571	12/12/1989	Suzuki et al.	
HB	1D 5,239,198	8/24/1993	Lin et al.	
HB	1E 5,905,636	5/18/1999	Baska et al.	RECEIVED
HB	1F 5,956,576	9/21/1999	Toy et al.	DEC 12 2002
HB	1G 5,978,229	11/2/1999	Kim	
HB	1H 5,990,418	11/23/1999	Bivona et al.	TECHNOLOGY CENTER R3700
1I				
1J				
1K				

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
1L					
1M					
1N					
1O					
1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1Q	
1R	
1S	

EXAMINER

Hung Bui

DATE CONSIDERED

6/6/03

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FORM PTO-1449	ATTY. DOCKET NO. 10014433-1	APPLICATION NO. 09/990,819	CONFIRMATION NO.
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT Thomas J. Augustin et al.		
JUL 18 2002 (Use several sheets if necessary)	SEARCHING DATE 1-16-2001	GROUP Unknw	2841

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
HB	1A 4,545,610	10/08/1985	Lakritz et al.	
HB	1B 5,222,014	06/22/1993	Lin	
HB	1C 5,541,450	07/30/1996	Jones et al.	
HB	1D 5,805,427	09/08/1998	Hoffman	
1E				
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1K				

*RECEIVED**JUL 23 2002**TC 1700*

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
1L					
1M				<i>RECEIVED</i>	
1N				<i>AUG - 9 2002</i>	
1O				<i>TECHNOLOGY CENTER R3700</i>	
1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1Q	
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FORM PTO-1449		ATTY. DOCKET NO. 10014433-1	APPLICATION NO.	CONFIRMATION NO.
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT		APPLICANT Thomas J. Augustin et al.		
(Use several sheets if necessary)		FILING DATE	GROUP 2841	11/16/01

JC996 U.S. PT 09/990819

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
HB	1A 5,244,143	09/14/93	Thomas G. Ference		
↑	1B 5,557,503	09/17/96	Phillip Isaacs		
	1C 5,615,735	04/01/97	Stuart Yoshida		
	1D 5,926,370	07/20/99	S. Daniel Cromwell		
	1E 6,061,235	05/09/00	S. Daniel Cromwell		
	1F 6,084,178	07/04/00	S. Daniel Cromwell		
	1G 6,198,630	03/06/01	S. Daniel Cromwell		
	1H 6,231,333	05/15/01	Peter Alfred Gruber		
↓	1I 6,235,996	05/22/01	Shaji Farooq		
HB	1J 6,276,596	08/21/01	Peter A. Gruber		
	1K				

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRANSLATION
						YES NO
	1L					
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

HB	1Q	Thomas P. Dolbear et al., Effect of Mechanical Shock and Vibration on the Second-level Temperature Cycling Reliability of Ceramic Ball Grid Arrays with a Continuous Compressive Load Applied, 5 unnumbered pages.
HB	1R	R. Bargerhuff et al., Development of a Large Heatsink Support Structure, 12 unnumbered pages.
HB	1S	Jeffrey L. Deeney et al., patent application filed on November 16, 2001 titled Method And Apparatus of Supporting Circuit Component Having A Solder Column Array Using Interspersed Rigid Columns, Attorney Docket No. 10015587-1, Pages 1-9 and 1 sheet of drawings.

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Henry Bew

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6/6/03